



AFLOAT
General Engineering
(3GE)
Checklist

UPDATED August 2011

SAFETY REVIEW ITEMS - General Engineering

1. Hearing Conservation

1. (X1A0) ARE NOISE HAZARD SIGNS POSTED IAW THE INDUSTRIAL HYGIENE SURVEY?

REF: OPNAVINST 5100.19 Series B0406 (a)

C R NA

☐ Repeat

☐ Significant

2. (X1B0) ARE PERSONNEL WORKING IN OR ENTERING DESIGNATED HAZARDOUS NOISE AREAS OR UTILIZING HAZARDOUS TOOLS OR EQUIPMENT HAVE HEARING PROTECTIVE DEVICES AVAILABLE? ARE PERSONNEL WEARING HEARING PROTECTIVE DEVICES WITHOUT CONSIDERATION OF THE DURATION OF THE EXPOSURE.

REF: OPNAVINST 5100.19 Series B0406(A)

C R NA

☐ Repeat

☐ Significant

10. Flexible Hoses

3. (X8A0) ARE FLEXIBLE HOSE ASSEMBLIES PROPERLY INSTALLED; FREE OF TWIST BETWEEN FITTINGS, PROPERLY SUPPORTED AGAINST RESILIENTLY MOUNTED EQUIPMENT TO PREVENT CHAFING, FREE OF EXCESSIVE SAG OR UNDULY STRESS.

REF: NAVSEA S6430-AE-TED-010 VOL.1 (SECTION 9)
PMS MIP 5000/009

C R NA

☐ Repeat

☐ Significant

4. (X8B0) ARE FLEXIBLE HOSES PROPERLY IDENTIFIED WITH A NONCORRODIBLE METAL TAG.

REF: NAVSEA S6430-AE-TED-010 VOL.1 (SECTIONS 8.5 AND 9)
PMS MIP 5000/009

C R NA

☐ Repeat

☐ Significant

5. (X8C0) ARE FLEXIBLE HOSES PAINTED (A FEW SPOTS INADVERTENTLY SPLASHED ON THE HOSE IS ACCEPTABLE) AS LONG AS PAINTED AREA IS 10% OR LESS THAN THE HOSE SURFACE AREA.

REF: NAVSEA S6430-AE-TED-010 VOL.1 (SECTION 9.J, 10.J)
NSTM 631 VOL. 3 (8.22.1.Z)
PMS MIP 5000/009

C R NA

☐ Repeat

☐ Significant

6. (X8D0) ARE FLEXIBLE HOSES EXCESSIVELY SOFT?
REF: NAVSEA S6430-AE-TED-010 VOL.1 (SECTION 10. O
PMS MIP 5000/009

C R NA
☐ Repeat
☐ Significant

11. Rubber Expansion Joints

7. (X9A0) ARE RUBBER EXPANSION JOINTS PROPERLY INSTALLED AND ALIGNED?
REF: NSTM 505 -3.3 (table 505-3-1)

C R NA
☐ Repeat
☐ Significant

8. (X9B0) ARE RUBBER EXPANSION JOINTS FREE OF CRACKS AND CUTS?
REF: NSTM 505 -3.3.3

C R NA
☐ Repeat
☐ Significant

9. (X9C0) ARE RUBBER EXPANSION JOINTS FREE OF PAINT?
REF: NSTM 631 VOL3 (8.22.1.z)

C R NA
☐ Repeat
☐ Significant

12. Escape Trunks

10. (Y0A0) ARE THERE OBSTRUCTIONS AT THE ESCAPE TRUNKS?
REF: OPNAVINST 5100.19 Series c0102 (a) (3)
OPNAVINST 5100.19 Series c0102(a) (6)

C R NA
☐ Repeat
☐ Significant

11. (Y0B0) ARE LADDER RUNGS CONTINUOUS AROUND TWO BULKHEADS?
REF: NAVSEA DWG 804-5184093
GSO 622 C

C R NA
☐ Repeat
☐ Significant

12. (Y0C0) DOES ESCAPE TRUNK BALANCE JOINER DOOR HAVE TWO CLOSING SPEEDS (DOOR SHOULD TRAVEL THROUGH INITIAL CLOSING ARC AT A REASONABLY FAST RATE AND SLOW DURING FINAL 8" to 10" OF CLOSING SO DOOR DOES NOT SLAM). THE NOMINAL SPEED RANGE IS 6 TO 8 SECONDS, HOWEVER DOOR CLOSING SPEED SHALL NOT BE LESS THAN 5 SECONDS AND NO GREATER THAN 10 SECONDS.

REF: PMS MIP 6241/002 S-1 STEP 4
PMS MIP 6241/002 S-2 NOTE 8
PMS MIP 6241/002 S-3 NOTE 8
PMS MIP 6241/002 S-4 NOTE 13
GSO 624 J
NAVSEA DWG 804-5184129

C R NA
☐ Repeat
☐ Significant

13. (Y0D0) ARE ESCAPE TRUNKS WELL LIT AND HAVE EMERGENCY LIGHTING?

REF: GSO 332 E
GSO 332 G

C R NA
☐ Repeat
☐ Significant

14. (Y0E0) ARE LABEL PLATES INSTALLED ON TOP OF ESCAPE SCUTTLES INSCRIBED WITH 1-INCH RED LETTERS THAT STATE "ESCAPE SCUTTLE DO NOT OBSTRUCT OR BLOCK".

REF: GSO 602 J

C R NA
☐ Repeat
☐ Significant

13. Lagging/insulation

15. (Y1A0) IS LAGGING/INSULATION ADEQUATE?

REF: NSTM 635 (SECTIONS 2 AND 3)
GSO 508 (B)

C R NA
☐ Repeat
☐ Significant

16. (Y1B0) IS LAGGING/INSULATION TORN OR MISSING?

REF: NSTM 635 -2.9.1(5)
PMS MIP 6300/001

C R NA
☐ Repeat
☐ Significant

17. (Y1C0) IS LAGGING/INSULATION OIL / WATER SOAKED?
REF: NSTM 635 -2.9.1(6)
PMS MIP 6300/001

C R NA
☐ Repeat
☐ Significant

14. Reduction Gear Security

18. (Y2A0) ARE MEDIUM OR HIGH SECURITY PADLOCKS INSTALLED. IAW ISEA ADVISORY NUMBER 006-01 VERIFY S&G MODEL 833 HIGH SECURITY LOCKS HAVE BEEN CHANGED OUT WITH ABLOY MODEL PL655 OR PL656.
REF: ISEA ADVISORY NR 006-01
NSTM 241 -4

C R NA
☐ Repeat
☐ Significant

19. (Y2B0) ARE ALL OTHER ACCESSES PROTECTED FROM UNAUTHORIZED ENTRY?
REF: NSTM 241 -4.2.4 c

C R NA
☐ Repeat
☐ Significant

20. (Y2C0) DO VENT FOG PRECIPITATORS APPEAR TO BE IN SATISFACTORY CONDITION AND HAVE A WARNING PLATE INSCRIBED WITH "WARNING HIGH VOLTAGE"?
REF: GSO 262 C
NSTM 241 -2.3.14
NSTM 262 -3.1.2 I
PMS MIP 6650/002
NAVSEA STD DWG 803-2145504

C R NA
☐ Repeat
☐ Significant

21. (Y2D0) ARE INSTALLED REDUCTION GEAR DEHUMIDIFIERS MAINTAINING AIR IN THE MRG CASING AT LESS THAN 35 PERCENT RELATIVE HUMIDITY.
REF: NSTM 241 -3.5.2.4
EOSS

C R NA
☐ Repeat
☐ Significant

15. Lube Oil System

22. (Y5A0) ARE THERE LATCHING DEVICES FOR ALL MAIN LUBE OIL PUMPS SUCTION AND DISCHARGE VALVES TO PREVENT SHUTTING?

REF: GSO 262 -C3

EDORM SEC 4407 (b) (3)

C R NA

☐ Repeat

☐ Significant

23. (Y5B0) ARE PURIFIER DRAINS PIPED TO CONTAMINATED OIL TANK?

REF: GSO 534 (C) (3)

GSO 262 (c) (3)

C R NA

☐ Repeat

☐ Significant

24. (Y5C0) DOES THE LUBE OIL STORAGE AND SETTLING TANKS HAVE OVERFLOW AND DRAIN CONNECTIONS LEADING TO THE OILY WATER DRAIN OR WASTE COLLECTING SYSTEM?

REF: GSO 262 (C) (2)

C R NA

☐ Repeat

☐ Significant

25. (Y5D0) ARE STRAINERS PROVIDED WITH PROTECTIVE COVERS?

REF: NSTM 505 -10.3.1.2

NSTM 079 -46.5.3.1

GSO 505 (E) (7)

C R NA

☐ Repeat

☐ Significant

26. (Y5E0) ARE STRAINERS PROVIDED WITH VENT/DRAIN VALVES?

REF: NSTM 505 -10.3.1.6

C R NA

☐ Repeat

☐ Significant

27. (Y5F0) ARE STRAINERS PROVIDED WITH DRIP PANS?

REF: GSO 262 (C) (1)

NSTM 505 -10.3.1.6.1 (12)

C R NA

☐ Repeat

☐ Significant

16. Oil Piping Flange Shields

28. (Y6A0) ARE LUBE OIL AND FUEL OIL PIPING FLANGE SHIELDS OF CORRECT MATERIAL?

REF: NSTM 505 -7.9.4.1
NSTM 505 FIG 505-7-15
NSTM 233 -7.9
GSO 502 B
GSO 505 E
NAVSEA DRAWING 803-2145518

C R NA
☐ Repeat
☐ Significant

29. (Y6B0) ARE FLANGE SHIELDS PROPERLY INSTALLED?

REF: NSTM 505 -7.9.4.2
GSO 505 (E) (7)

C R NA
☐ Repeat
☐ Significant

30. (Y6C0) ARE ANY FLANGE SHIELDS MISSING?

REF: NSTM 505 -7.9.4.5
GSO 505 (e) (7)

C R NA
☐ Repeat
☐ Significant

17. Valves and Valve Operators

31. (Y7A0) ARE REMOTE OPERATED VALVES OPERATIONAL AND PROPERLY ATTACHED?

REF: GSO 505 (e) (4) (b)
NSTM 505 -1.8.2

C R NA
☐ Repeat
☐ Significant

32. (Y7B0) ARE VALVE HANDWHEELS PROPERLY SECURED AND LABELED?

REF: GSO 507 F
NSTM 505 -7.8.2.2
NAVSEA S0400-AD-URM-010/TUM (TAG OUT USERS MANUAL) 1.6.4.a

C R NA
☐ Repeat
☐ Significant

33. (Y7C0) ARE HANDWHEELS MADE OF PROPER MATERIALS?

REF: GSO 505 C2
NAVSHIPS DWG 803-1385620.

C R NA
☐ Repeat
☐ Significant

34. (Y7D0) ARE VALVE HANDWHEELS PROPERLY COLOR CODED?
REF: NSTM 505 -7.8.2.2

C R NA
☐ Repeat
☐ Significant

18. Sea Chest Blow Out

35. (Y8A0) ARE WARNING PLATES STATING ("DO NOT PERMIT STEAM OR AIR PRESSURE TO EXCEED 35 POUNDS WHEN BLOWING-OUT SEA CHEST") AND OPERATING INSTRUCTIONS INSTALLED BETWEEN THE NEEDLE VALVE AND HOSE VALVE FOR THE SEA CHEST.
REF: GSO 253 (d) (2)

C R NA
☐ Repeat
☐ Significant

36. (Y8B0) IS THERE A RELIEF VALVE SET AT 40 PSI AND A CONNECTION FOR BLEEDING STEAM/AIR PRESSURE ON THE SEA CHEST BLOW) OUT SYSTEM.
REF: NSTM 505 -10.3.1.9
GSO 253 (d) (2)

C R NA
☐ Repeat
☐ Significant

37. (Y8C0) IS THERE A PRESSURE GAGE INSTALLED IN THE STEAM OR AIR PRESSURE SUPPLY LINE FOR THE SEA CHEST BLOW OUT?
REF: NSTM 505 -10.3.1.9,
GSO 253 (D) (2)

C R NA
☐ Repeat
☐ Significant

19. Piping Systems

38. (Y9A0) ARE PIPING SYSTEMS ADEQUATELY LABELED?
REF: NSTM 505 -7.8.3
NSTM 505 table 505-7-1

C R NA
☐ Repeat
☐ Significant

39. (Y9B0) ARE PIPING SYSTEMS PROPERLY COLOR CODED?
REF: NSTM 505 -7.8.2
NSTM 505 table 505-7

C R NA
☐ Repeat
☐ Significant

40. (Y9C0) ARE PIPING SUPPORT DEVICES PROPERLY MAINTAINED?

REF: NSTM 505 -7.5

NAVSHIPS DWG 804-1385781

GSO 505 (c) (4)

C R NA

☐ Repeat

☐ Significant

41. (Y9D0) IS THERE EVIDENCE OF FLAMMABLE SYSTEM LEAKS?

REF: NSTM 505 -8.3.1.

C R NA

☐ Repeat

☐ Significant

42. (Y9E0) IS THERE EVIDENCE OF NON-FLAMMABLE SYSTEMS LEAKS?

REF: NSTM 505 -8.3.

C R NA

☐ Repeat

☐ Significant

43. (Y9F0) ARE WARNING PLATES INSCRIBED "WARNING ENSURE THAT THE ISOLATION VALVES ON EACH SIDE OF THE PRESSURE REGULATOR ARE CLOSED BEFORE OPENING THE BY-PASS VALVE", INSTALLED ON REDUCER BYPASS VALVES?

REF: GSO 505 -b7

C R NA

☐ Repeat

☐ Significant

2. Heat Stress

44. (X1C0) ARE HEAT STRESS THERMOMETERS HUNG WITH A NON-HEAT CONDUCTING MATERIAL SUCH AS PLASTIC TIE-WRAP OR STRING (NEVER HUNG WITH METAL WIRE) AND POSITIONED TO MINIMIZE THE INFLUENCE OF ANY ADJACENT OR LOCAL HEAT OR COLD SOURCE. ARE THERMOMETERS VALIDATED BY ALIGING THE ETCH MARK WITH THE FREEZING POINT (32 DEGREES FAHRENHEIT). REF

REF: OPNAVINST 5100.19 Series B0204(B) (C).

C R NA

☐ Repeat

☐ Significant

20. Relief Valves

45. (Z0A0) DO RELIEF VALVES APPEAR TO BE IN GOOD WORKING ORDER (FREE OF BROKEN SPRINGS, LEAKING, BENT STEMS OR CORROADED)?

REF: NSTM 505 -9.18.2.

C R NA

☐ Repeat

☐ Significant

46. (Z0B0) ARE RELIEF VALVES PROPERLY LABELED?

REF: GSO 505 (E) (1).

C R NA

☐ Repeat

☐ Significant

47. (Z0C0) ARE RELIEF VALVES EQUIPPED WITH A TAIL PIPE THAT DOES NOT STRESS THE VALVE BODY AND DISCHARGES WHERE IT DOES NOT CREATE A HAZARD TO PERSONNEL OR EQUIPMENT.

REF: NSTM 505 -9.17.3

GSO 505 (E) (1)

C R NA

☐ Repeat

☐ Significant

48. (Z0D0) ARE METAL TAGS PROVIDED TO INDICATE SHIP NAME AND HULL NUMBER, DATE OF LIFT TEST, LIFTING PRESSURE, VALVE NUMBER OR IDENTIFICATION.

REF: GSO 505 (H)

C R NA

☐ Repeat

☐ Significant

21. Eductors and Bilge Drainage

49. (Z1A0) ARE SUCTION STRAINERS INSTALLED AND ADEQUATE?

REF: GSO 529 (j)

NSTM 505 -10.7.3

C R NA

☐ Repeat

☐ Significant

50. (Z1B0) IS THERE A MINIMUM OF ONE SPACE SUCTION VALVE WHICH IS OPERABLE FROM THE DAMAGE CONTROL DECK?

REF: GSO 529 (J)

C R NA

☐ Repeat

☐ Significant

51. (Z1C0) ARE EDUCTORS AND BILGE DRAINAGE SYSTEM OPERATING INSTRUCTIONS POSTED?

REF: NSTM 505 -10.7.2

NSTM 505 -10.7.6

NSTM 505 -10.7.

GSO 529 (h)

C R NA

☐ Repeat

☐ Significant

52. (Z1D0) IS THE OIL POLLUTION ACT POSTED AT THE OVERBOARD DISCHARGE VALVES, DECK RISERS, AND PUMPS CAPABLE OF DISCHARGING OILY WASTE?

REF: NSTM 593 -3.7.5

GSO 593 (D)

C R NA

☐ Repeat

☐ Significant

53. (Z1E0) ARE ACTUATING PRESSURE AND SUCTION PRESSURE GAGES INSTALLED?

REF: GSO 529 -h

NSTM 505 figure 505-10.2

C R NA

☐ Repeat

☐ Significant

54. (Z1F0) ARE EDUCTOR SUCTION CUT-OUT VALVES PROVIDED WITH THE WARNING SIGN STATING, "DO NOT OPEN UNTIL VACUUM IS INDICATED ON GAGE".

REF: GSO 529 (H)

C R NA

☐ Repeat

☐ Significant

55. (Z1G0) ARE EDUCTOR FIREMAIN ACTUATING CUT-OUT VALVES PROVIDED WITH THE WARNING SIGN STATING, "DO NOT OPEN UNTIL OVERBOARD DISCHARGE VALVE IS OPEN".

REF: GSO 529 (H)

C R NA

☐ Repeat

☐ Significant

56. (Z1H0) ARE BILGES CONTAMINATED WITH OIL, FUEL OR TRASH?

REF: EDORM SECTION 4502

C R NA

☐ Repeat

☐ Significant

22. Oil Lab

57. (Z2A0) ARE REQUIRED NUMBER OF MARK II OIL SPILL CLEAN UP KITS ON BOARD?

REF: AEL 2-550024006

C R NA

☐ Repeat

☐ Significant

58. (Z2B0) ARE MARK II KITS FULLY STOCKED AND ACCESSIBLE FOR QUICK USE?

REF: NSTM 593 -3.6.6.2

C R NA

☐ Repeat

☐ Significant

59. (Z2C0) DOES THE SHIP HAVE AN OIL SPILL CONTINGENCY PLAN THAT HAS BEEN TAILORED TO THE SHIP. ARE OIL SPILL KITS INSPECTED MONTHLY AND REPLINISHED AS REQUIRED.

REF: OPNAVINST 5100.19 Series b0302 (4) (q)
OPNAVINST 5100.19 Series b0304 (a) (1) (f)
OPNAVINST 5100.19 Series b0304 (b) (1)
OPNAVINST 5090.1 Series chapter 22, para 22-9

C R NA
☐ Repeat
☐ Significant

60. (Z2D0) IS AN EYEWASH STATION INSTALLED IN THE OIL LAB?

REF: OPNAVINST 5100.19 Series B0508(B) (3)

C R NA
☐ Repeat
☐ Significant

61. (Z2E0) ARE PORTABLE ELECTRICAL LABORATORY EQUIPMENT TESTED FOR ELECTRICAL SAFETY IN ACCORDANCE WITH PMS?

REF: PMS MIP 3000/001

C R NA
☐ Repeat
☐ Significant

62. (Z2F0) IS AN ACID LOCKER AVAILABLE FOR THE STORAGE OF ACIDS?

REF: NSTM 220 -28.23

C R NA
☐ Repeat
☐ Significant

63. (Z2G0) HAVE CHEMICALS EXCEEDED THEIR SHELF LIFE?

REF: NSTM 220 -28.24

C R NA
☐ Repeat
☐ Significant

64. (Z2H0) ARE CHEMICALS PROPERLY STORED?

REF: NSTM 220 -28.23.

C R NA
☐ Repeat
☐ Significant

65. (Z2I0) ARE MERCURIC NITRATE REAGENTS DISPOSED OF PROPERLY?

REF: OPNAVINST 5100.19 Series APPENDIX B-3-B
HMUG GROUP 17, PAGE 75.

C R NA
☐ Repeat
☐ Significant

3. Sight Conservation

66. (X1D0) ARE PROPER EYE/FACE WASH UNITS AVAILABLE WHERE REQUIRED AS IDENTIFIED IN THE BASELINE AND/OR RECENT INDUSTRIAL HYGINE SURVEY.

REF: OPNVAINST 5100.19 SERIES B0508 (a) (9), appendix b5-a

C R NA

☐ Repeat

☐ Significant

67. (X1E0) ARE REQUIRED EYE WASH STATION LOCATION SIGNS POSTED AND POTABLE WATER SUPPLY VALVES LOCKED OPEN WITH A METAL, TAMPER-PROOF LANYARD AND MARKED AS A "W" (OR "CIRCLE "W") FITTING.

REF: OPNVAINST 5100.19 SERIES B0508

C R NA

☐ Repeat

☐ Significant

4. Deck Plates and Grating

68. (X2A0) ARE DECK PLATES FIRMLY FASTENED WITH 1.25 FASTENERS PER SQUARE INCH OF PLATE BUT NO LESS THAN TWO. ARE ACCESS LADDERS SECURELY FIXED IN PLACE.

REF: GSO 622 (c) (d)

NAVSEA DWG 803-1340709 note (1)

C R NA

☐ Repeat

☐ Significant

69. (X2B0) ARE DECK PLATES AND LADDERS FABRICATED OF PROPER MATERIAL? (ALUMINUM OR CRES STEEL 304).

REF: GSO 622 (c) (d)

NAVSEA STD DWG 803-1340709

C R NA

☐ Repeat

☐ Significant

5. Fasteners

70. (X3A0) ARE THREADED FASTENERS, WHEN INSTALLED AND TIGHTENED PROTRUDE A DISTANCE OF AT LEAST ONE (1) THREAD BEYOND THE TOP OF THE NUT OR PLASTIC INSERT.

REF: NSTM 075 -7.5.1

GSO 075 (b)

C R NA

☐ Repeat

☐ Significant

71. (X3B0) WHERE PRACTICABLE, THE NUMBER OF THREADS PROTRUDING BEYOND THE TOP OF THE NUT OR PLASTIC INSERT SHOULD NOT EXCEED FIVE (5), IN NO CASE SHALL THE PROTRUSION EXCEED TEN (10) THREADS.

REF: NSTM 075 -7.5.1

GSO 075 (b)

C R NA

☐ Repeat

☐ Significant

72. (X3C0) DO THREADED FASTENERS CONFORM TO MILSPECS?

REF: GSO 075 (b) (e) table 1

NSTM 075 -1.2.1.2

NSTM 075 -2.4.2

NSTM 075 -2.4.3.1

NSTM 075 -2.4.4(a) (b) (1) (2) (3)

NSTM 075 -2.1

C R NA

☐ Repeat

☐ Significant

73. (X3D0) ARE BLACK OXIDE COATED BRASS FASTENERS BEING USED ON STEAM SYSTEMS OR STORED IN STORAGE LOCKERS?

REF: GSO 070 (f)

C R NA

☐ Repeat

☐ Significant

74. (X3E0) ARE FERROUS (CARBON STEEL) FASTENERS PRESENT IN SEAWATER OR IN OTHER SYSTEMS (FRESH WATER, OR FEED) WHERE NON-FERROUS PIPING IS INSTALLED.

REF: GSO 075 table 1

NSTM 075 -3.3.3.2 (warning note)

C R NA

☐ Repeat

☐ Significant

6. Instructions and Safety Precautions

75. (X4A0) ARE REQUIRED WARNING, CAUTION, OPERATING, AND INSTRUCTION PLATES AND CHARTS POSTED TO MINIMIZE THE POSSIBILITY OF INJURY TO PERSONNEL OR DAMAGE MACHINERY, EQUIPMENT OR SYSTEMS DUE TO FAULTY OPERATION RESULTING FROM THE LACK OF POSTED INSTRUCTIONS OR WHEREVER SPECIAL SAFETY PRECAUTIONS MUST BE EXERCISED.

REF: GSO 602 (h)

NSTM 090 -2.4.1

NAVSHIPS DWG 805-1640412

C R NA

☐ Repeat

☐ Significant

76. (X4B0) ARE IDENTIFICATION PLATES INDICTING MAXIMUM ALLOWABLE LOADS
OR TEST DATA INSTALLED BY LIFTING PADS OVER HEAVY EQUIPMENT?
REF: GSO 602 (g)

C R NA
☐ Repeat
☐ Significant

77. (X4C0) IS THE ENGINEERING OPERATIONAL SEQUENCE SYSTEM (EOSS) IN USE?
REF: EDORM

C R NA
☐ Repeat
☐ Significant

78. (X4D0) ARE CURRENT "TAG OUT" PROCEDURES IN USE?
REF: OPNAVINST 3120.32 SERIES 630.17
NAVSEA S0400-AD-URM-010/TUM (Tag Out User's Manual), curre

C R NA
☐ Repeat
☐ Significant

7. Hazard Materials

79. (X5A0) ARE TOXIC OR HIGHLY FLAMABLE MATERIALS (FLASH POINT 200
DEGREES AND BELOW) STOWED IN MACHINERY SPACES?
REF: OPNAVINST 5100.19 Series c2302 (e) (2) (c)
OPNAVINST 5100.19 Series c2302 (e) (2) (b) (d)
NSTM 670 -4.3.2
NSTM 670 -4.3.2.1
NSTM 670 -4

C R NA
☐ Repeat
☐ Significant

80. (X5B0) ARE ALL HAZARDOUS MATERIAL CONTAINERS CLEARLY LABELED WITH
MATERIAL NAME, MANUFACTURES NAME AND ADDRESS, STOCK NUMBER,
HCC AND THE NATURE OF THE HAZARD PRESENTED BY THE HM INCLUDING
THE TARGET ORGAN. IS HAZARDOUS MATERIALS PROPERLY STOWED.
REF: NSTM 670 -4.3.2
NSTM 670 -4.3.2.1
NSTM 670 -4.3.2.2
NSTM 670 -4.3.2.5
OPNAVINST 5100.19 Series c2302 (a) (3) (4),
OPNAVINST 5100.19 Series c2302 (d) (1) (2) (1) (2)
PMS MIP 6641

C R NA
☐ Repeat
☐ Significant

8. System and Equipment Monitoring

81. (X6A0) ARE GAGES AND INDICATORS PROPERLY MOUNTED?

REF: GSO 504 (b) (d) (e) (g) (k) (l)

NSTM 504 -3.5.5

C R NA

☐ Repeat

☐ Significant

82. (X6B0) ARE LIQUID COLUMN SIGHT GLASS PROTECTIVE GUARDS PROPERLY
INSTALLED?

REF: GSO 504 (k)

C R NA

☐ Repeat

☐ Significant

83. (X6C0) ARE CRITICAL AND NON-CRITICAL GAGES AND INDICATORS CALIBRATED
AND IN GOOD CONDITION?

REF: GSO 504 (Q)

NSTM 504 -3.7.1

PMS MIP 9802

SHIP CRL

C R NA

☐ Repeat

☐ Significant

9. Pumps and Auxiliary Machinery

84. (X7B0) ARE MACHINERY FOUNDATIONS IN SATISFACTORY CONDITION, FREE OF
CRACKS AND BASE METAL DETERIORATION FROM CORROSION AND
MECHANICAL JOINTS TIGHTENED.

REF: GSO 100 F

PMS MIP 6300/001

C R NA

☐ Repeat

☐ Significant

85. (X7C0) ARE COUPLING GUARDS INSTALLED ON ROTATING MACHINERY?

REF: GSO 070 (H)

OPNAVINST 5100.19 Series C0104 (A) (4)

OPNAVINST 5100.19 Series C1302 (A) (16)

C R NA

☐ Repeat

☐ Significant

86. (X7D0) ARE EQUIPMENT OPERATING INSTRUCTIONS AND SAFETY PRECAUTIONS
POSTED?

REF: GSO 602 (H)

NSTM 090 -2.4.1

NAVSHIPS DWG 804-1640412

C R NA

☐ Repeat

☐ Significant

General Engineering

COMMAND NAME:

LOCATION:

UIC:

DATE:

SURVEYOR(S):

NO. COMPLETE:

NO. REQ ACTION:

NOT APPLICABLE:

Q #	Question	Result			Sig	Rep
1	3GEX1A0	C	R	N		
2	3GEX1B0	C	R	N		
3	3GEX1C0	C	R	N		
4	3GEX1D0	C	R	N		
5	3GEX1E0	C	R	N		
6	3GEX2A0	C	R	N		
7	3GEX2B0	C	R	N		
8	3GEX3A0	C	R	N		
9	3GEX3B0	C	R	N		
10	3GEX3C0	C	R	N		
11	3GEX3D0	C	R	N		
12	3GEX3E0	C	R	N		
13	3GEX4A0	C	R	N		
14	3GEX4B0	C	R	N		
15	3GEX4C0	C	R	N		
16	3GEX4D0	C	R	N		
17	3GEX5A0	C	R	N		
18	3GEX5B0	C	R	N		
19	3GEX6A0	C	R	N		
20	3GEX6B0	C	R	N		
21	3GEX6C0	C	R	N		
22	3GEX7B0	C	R	N		
23	3GEX7C0	C	R	N		
24	3GEX7D0	C	R	N		
25	3GEX8A0	C	R	N		
26	3GEX8B0	C	R	N		
27	3GEX8C0	C	R	N		
28	3GEX8D0	C	R	N		
29	3GEX9A0	C	R	N		
30	3GEX9B0	C	R	N		
31	3GEX9C0	C	R	N		
32	3GEY0A0	C	R	N		
33	3GEY0B0	C	R	N		

Q #	Question	Result			Sig	Rep
34	3GEY0C0	C	R	N		
35	3GEY0D0	C	R	N		
36	3GEY0E0	C	R	N		
37	3GEY1A0	C	R	N		
38	3GEY1B0	C	R	N		
39	3GEY1C0	C	R	N		
40	3GEY2A0	C	R	N		
41	3GEY2B0	C	R	N		
42	3GEY2C0	C	R	N		
43	3GEY2D0	C	R	N		
44	3GEY5A0	C	R	N		
45	3GEY5B0	C	R	N		
46	3GEY5C0	C	R	N		
47	3GEY5D0	C	R	N		
48	3GEY5E0	C	R	N		
49	3GEY5F0	C	R	N		
50	3GEY6A0	C	R	N		
51	3GEY6B0	C	R	N		
52	3GEY6C0	C	R	N		
53	3GEY7A0	C	R	N		
54	3GEY7B0	C	R	N		
55	3GEY7C0	C	R	N		
56	3GEY7D0	C	R	N		
57	3GEY8A0	C	R	N		
58	3GEY8B0	C	R	N		
59	3GEY8C0	C	R	N		
60	3GEY9A0	C	R	N		
61	3GEY9B0	C	R	N		
62	3GEY9C0	C	R	N		
63	3GEY9D0	C	R	N		
64	3GEY9E0	C	R	N		
65	3GEY9F0	C	R	N		
66	3GEZ0A0	C	R	N		
67	3GEZ0B0	C	R	N		
68	3GEZ0C0	C	R	N		
69	3GEZ0D0	C	R	N		
70	3GEZ1A0	C	R	N		
71	3GEZ1B0	C	R	N		
72	3GEZ1C0	C	R	N		
73	3GEZ1D0	C	R	N		
74	3GEZ1E0	C	R	N		
75	3GEZ1F0	C	R	N		
76	3GEZ1G0	C	R	N		
77	3GEZ1H0	C	R	N		

Q #	Question	Result			Sig	Rep
78	3GEZ2A0	C	R	N		
79	3GEZ2B0	C	R	N		
80	3GEZ2C0	C	R	N		
81	3GEZ2D0	C	R	N		
82	3GEZ2E0	C	R	N		
83	3GEZ2F0	C	R	N		
84	3GEZ2G0	C	R	N		
85	3GEZ2H0	C	R	N		
86	3GEZ2I0	C	R	N		